

Expressions in the Real World

1. You want to find the distance Mark traveled on his bike if he rode for 2 hours (*time*) at a speed of 15 miles per hour (*rate*). The expression needed to find the distance is rt
2. It costs \$100 to rent the skating rink plus \$5 per person. Write an expression to find the cost for any number (n) of people. What is the cost for 25 people?
3. In the formula $d = rt$, d = distance, r = rate, and t = time. Find the distance traveled if $r = 55$ m/h and $t = 3$ h.
4. **Estimate the temperature outside using the chirps of a cricket. Use the formula $T_F = \frac{n}{4} + 37$, where n is the number of times a cricket chirps in one minute. Determine the temperature based on the number of chirps below.**
 - a. 120 chirps/min
 - b. 80 chirps/min

5. Use the formula $P = 2l + 2w$ to find the perimeter of each rectangle.

5 m

6 in

11 m

10 in